

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method ~~for booting a subsystem~~, comprising:
retrieving a subsystem boot indicator;
transferring boot information to ~~the~~ an autonomous subsystem included in a
computer system based on the subsystem boot indicator; ~~and, wherein the~~
transferring of the boot information to the autonomous subsystem is
performed ~~without involvement~~ independent of a main system-operating
system (O/S); ~~and a main system which are included in the computer~~
system, wherein the main O/S and the main system are coupled with the
autonomous subsystem and the operating system; and
booting the autonomous subsystem independent of the main system.
2. (Previously Presented) The method of claim 1, wherein the subsystem boot
indicator is located in a non-volatile storage device.
3. (Currently Amended) The method of claim 2, wherein the non-volatile storage
device is located within the autonomous subsystem.
4. (Cancelled)
5. (Currently Amended) The method of claim 1, wherein the transferring of the boot
information to the autonomous subsystem is performed over a bus ~~whose~~ with a
width is less than that of the main system.

6. (Currently Amended) The method of claim 1, wherein the transferring of the boot information to the autonomous subsystem is performed over a communication link whose bandwidth is less than that of the main system.
7. (Currently Amended) The method of claim 1, wherein transferring information to the subsystem is transferring information to a memory accessible by the autonomous subsystem.
8. (Currently Amended) A method comprising:
starting a boot up of a main system, the main system coupled with a an
autonomous subsystem and a main operating system (O/S), wherein the
main system, the autonomous subsystem, and the main O/S are included in
a computer system;
retrieving a boot indicator;
transferring boot information from an inaccessible location by to the autonomous
subsystem to a location an accessible location by the autonomous
subsystem based upon the boot indicator; and
shutting down the main system before the main O/S ~~operating system for the~~
system has started executing; and
booting the autonomous subsystem independent of the main system.
9. (Cancelled)

10. (Currently Amended) The method of claim 8, wherein the shutting down of the main system does not shut down the autonomous subsystem.
11. (Currently Amended) The method of claim 8, wherein the inaccessible and accessible location are location-is-a memory location~~locations.~~
12. (Currently Amended) A machine-readable medium having stored thereon data representing sets of instructions which, when executed by a machine, cause the machine to:
retrieve a subsystem boot indicator;
transfer boot information to a an autonomous subsystem included in a computer system based on the subsystem boot indicator;~~and transfer, wherein the transferring of the boot information to the autonomous subsystem is performed without involvement~~independent of a main system operating system (O/S); and a main system which are included in the computer system, wherein the main O/S and the main system are coupled with the autonomous subsystem~~and the operating system; and~~
boot the autonomous subsystem independent of the main system.
13. (Currently Amended) The machine-readable medium of claim 12, wherein the transferring of the boot information to the autonomous subsystem includes comprises transferring the boot information to a storage device accessible by the autonomous subsystem.

14. (Currently Amended) The machine-readable medium of claim 12, wherein ~~retrieving~~ the subsystem boot indicator is received from a non-volatile storage device.
- 15-26. (Cancelled)
27. (Currently Amended) A computer based system comprising:
- a memory device;
 - a main system coupled with a main storage device and the memory device, the main system including a main operating system (O/S);
 - ~~a~~ an autonomous subsystem coupled with a subsystem-first storage device and a second storage device;
 - a subsystem boot indicator; and
 - a boot up controller to access the subsystem boot indicator and initiate a booting of the autonomous subsystem independent of the main system and based upon the subsystem boot indicator, wherein the booting of the autonomous subsystem includes retrieving boot information from the first storage device and transferring the retrieved boot information to the second storage device, wherein the retrieving and transferring are to be performed by a main system resource without the use independent of the main operating system O/S.

28-30. (Cancelled)

31. (Currently Amended) The computer based system of claim 27 wherein the subsystem boot indicator is located in the main storage device.
32. (Currently Amended) The computer based system of claim 27 wherein the boot up controller examines the subsystem boot indicator to determine a boot status.
33. (Currently Amended) An apparatus comprising:
a main system coupled with a main storage device, the main system including a ~~main operating system~~O/S;
a subsystem coupled with a subsystem storage device;
a subsystem boot indicator; and
a boot up controller to access the subsystem boot indicator and initiate a booting of the subsystem based upon the subsystem boot indicator, wherein the booting of the subsystem includes retrieving information from the first storage device and transferring the retrieved information to the second storage device, wherein the retrieving and transferring are to be performed by a main system resource without the use of the ~~main operating system~~O/S.
34. (Currently Amended) The apparatus of claim 33 wherein the subsystem boot indicator is located in the ~~subsystem~~first storage device.
35. (Currently Amended) The apparatus of claim 33 wherein the boot up controller examines the subsystem boot indicator to determine a boot status.